

## **Evaluation Report for Category B, Subcategory 5.0 (MRLs for registered active ingredients on imported commodities) Application**

**Application Number:** 2005-2328  
**Application:** Evaluation Report for Category B, subcategory 5.0 (MRLs for registered active ingredients on imported commodities)  
**Product:** Switch 62.5 WG Fungicide  
**Registration Number:** 28189  
**Active ingredients (a.i.):** Cyprodinil (fungicide) and Fludioxonil (fungicide)  
**PMRA Document Number:** 1375324

### **Background**

Cyprodinil (Reg. No. 25508) is contained in the end use product, Switch 62.5 WG Fungicide, for the control of specific disease organisms that affect beans and leafy greens. Cyprodinil has been registered for use since 1999-04-08.

Fludioxonil (Reg. No. 247311) is contained in the end use product, Switch 62.5 WG Fungicide, for the control of specific disease organisms that affect beans and leafy greens. Fludioxonil has been registered for use since 1996-10-02.

### **Purpose of Application**

The purpose of this application is to specify maximum residue limits (MRLs) to cover residues of cyprodinil and fludioxonil in/on imported dry bean, succulent beans and leafy vegetables (except spinach) following application of Switch 62.5 WG Fungicide

### **Chemistry Assessment**

A chemistry assessment was not required for this application since cyprodinil and fludioxonil are already registered in Canada.

### **Health Assessment**

A toxicology assessment and occupational/by-standard exposure assessment was not required for this application since the proposal is to specify MRLs on imported commodities of an active ingredients currently registered in Canada.

To support the specification of MRLs in/on imported beans and leafy greens, residue data from field trials conducted in the major growing regions of the US were reviewed for snap beans, dry beans, lima beans, head lettuce and leaf lettuce.

### MRL Recommendations

Recommendations for MRLs for cyprodinil and fludioxonil in/on imported beans and leafy vegetables were based on guidance provided in PRO 2005-04 (“Guidance for Setting Pesticide Maximum Residue Limits Based on Field Trial Data”).

Based on currently established US tolerances and maximum residues observed in treated commodities, maximum residue limits (MRLs) to cover residues of cyprodinil and fludioxonil in/on imported crops will be specified as shown in TABLE 1.

TABLE 1. Summary of Field Trial Data Used to Establish Maximum Residue Limit(s) (MRLs) for Cyprodinil (CYP) and Fludioxonil (FLD).										
Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	CYP Residues (ppm)		FLD Residues (ppm)		Currently Established MRLs (ppm)		Recommend ed MRLs (ppm)	
			Min	Max	Min	Max	CYP	FLD	CYP	FLD
Succulent Beans										
Snap beans	Broadcast spray/ 1010 g FLD/ha/season & 1460 g CYP/ha/season	0	0.09	0.52	0.01	0.26	None	0.01	0.6	0.4
Lima beans	Broadcast spray/ 1010 g FLD/ha/season & 1460 g CYP/ha/season	0	0.02	0.02	0.02	0.04	None	0.01		
Dry Beans										
Dry beans	Broadcast spray/ 1010 g FLD/ha/season & 1460 g CYP/ha/season	0	0.02	0.19	0.02	0.29	None	0.01	0.6	0.4
Leafy vegetable (except spinach)										
Head Lettuce (with wrapper leaves)	Broadcast spray/ 1010 g FLD/ha/season & 1460 g CYP/ha/season	7	1.62	20.5	0.42	4.63	None	0.01	30	30
Leaf lettuce	Broadcast spray/ 1010 g FLD/ha/season & 1460 g CYP/ha/season	7	8.27	25	4.71	23.4 4	None	0.01		

## Environmental and Values Assessments

Environmental and value assessments are not required for applications to specify MRLs on imported commodities.

## Conclusions

Following the review of all available data, MRLs of 30 ppm for leafy vegetables (except spinach) for cyprodinil and fludioxonil are recommended. Following the review of all available data, MRLs of 0.6 ppm for cyprodinil treated dry and succulent beans and 0.4 ppm for fludioxonil treated dry and succulent beans are being recommended. Residues in/on imported crops at the recommended MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

## List of Studies Submitted by Registrant

PMRA Document Number	Reference
1036371	2003, Cyprodinil + Fludioxonil: Magnitude of the Residues on Bean (Snap), Syngenta Crop Protection Inc., Report No.7614, DACO 7.4.1
1036372	2003, Cyprodinil + Fludioxonil: Magnitude of the Residues on Bean (Dry), Syngenta Crop Protection Inc., Report No.7782, DACO 7.4.1
1036373	2003, Cyprodinil + Fludioxonil: Magnitude of the Residues on Bean (Dry), Syngenta Crop Protection Inc., Report No.7782, DACO 7.4.1
1036374	2003, Cyprodinil + Fludioxonil: Magnitude of the Residues on Lima Beans (Succulent Shelled Beans), Syngenta Crop Protection Inc., Report No.7783, DACO 7.4.1
1036426	2003, Cyprodinil + Fludioxonil: Magnitude of the Residues on Lettuce (Head and Leaf), Syngenta Crop Protection Inc., Report No.7131, DACO 7.4.1
1036427	2003, Cyprodinil + Fludioxonil: Magnitude of the Residues on Lettuce (Head and Leaf), Syngenta Crop Protection Inc., Report No.7131, DACO 7.4.1

### **List of Additional Information Considered**

PMRA Document Number	Reference
1308182	1998, Cyprodinil - Review - Joint review of product chemistry, rat and livestock metabolism, plant metabolism, label, residues (pome fruit, stone fruit, almonds, grapes, juice, raisins), feeding study, storage stability data, and dietary risk assessment by the PMRA and the EPA. DACO 7.8

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